

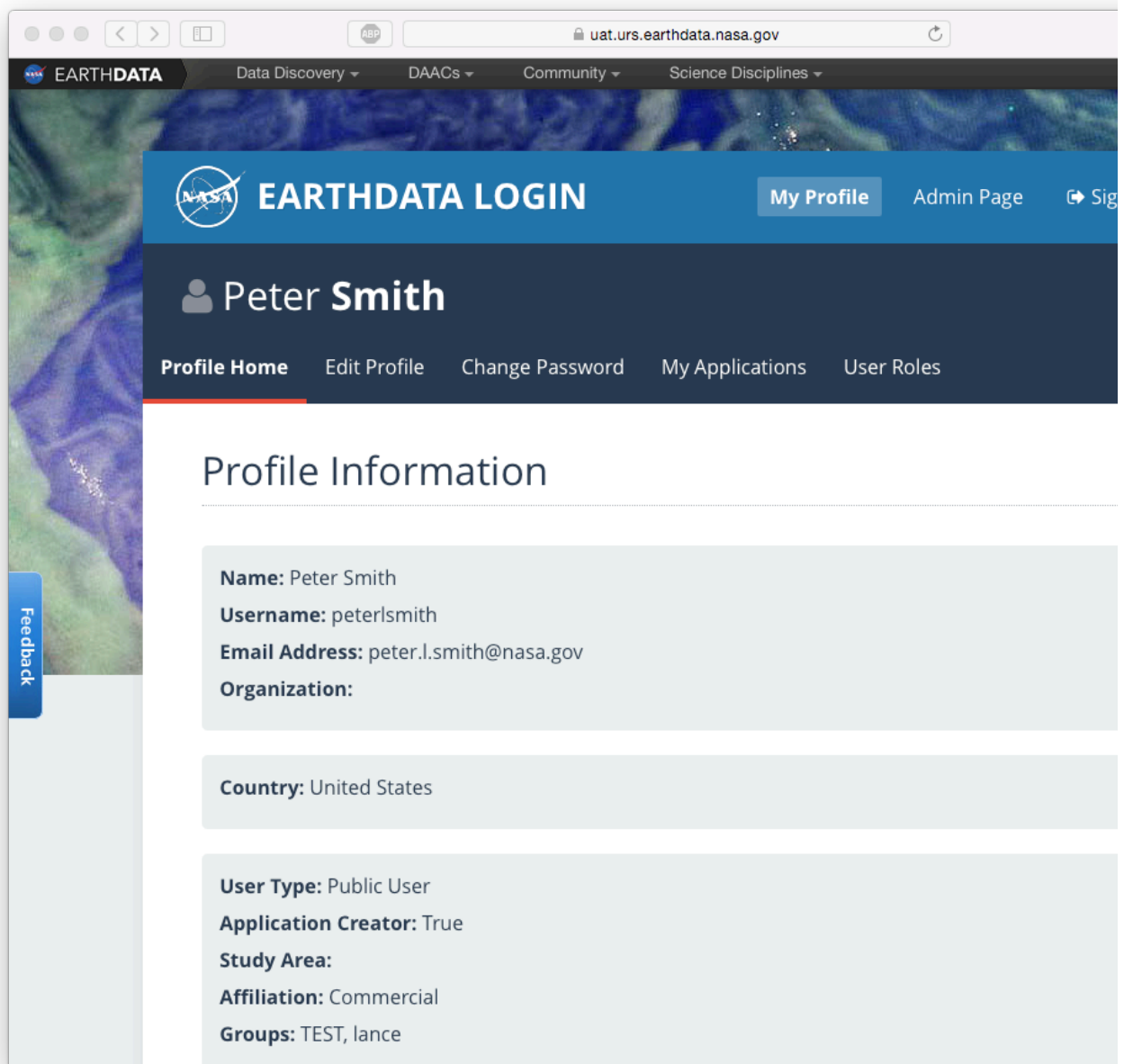
How To Register An Application

The first step in integrating Earthdata Login single sign-on into your application is to register the application with Earthdata Login. This is a necessary part of the OAuth 2.0 process.

Before you can register any application, however, you must have the application creation permission. To request this permission, login to your Earthdata Login profile, navigate to the My Applications tab, and at the bottom this screen there will be a button that says "REQUEST APP CREATION ACCESS". Clicking this button will take you to a screen that will provide a filled-in form that will allow you to notify the Earthdata Login administrator of your need for this access. Click the submit button and the administrator will be notified of your request. You should receive an email from the administrator indicating that you have been granted the "application creator" role. Then you can follow the instructions below to register an application with Earthdata Login.

Step-by-step guide

1. Log in to the Earthdata Login and select the 'My Applications' tab.



2. Click on the 'CREATE A NEW APPLICATION' button at the bottom of the page.

The screenshot shows the Earthdata Login interface. At the top, the NASA logo and 'EARTHDATA LOGIN' are visible. The user is logged in as Peter Smith. The 'My Applications' section is active, showing a list of approved applications. Below this, there is a button to 'APPROVE MORE APPLICATIONS'. The 'Application Administration' section shows a table with one application, 'Peter's Test Application', which is active. A button to 'CREATE A NEW APPLICATION' is also present.

EARTHDATA LOGIN My Profile Admin Page Sig

Peter Smith

Profile Home Edit Profile Change Password **My Applications** User Roles

My Applications

Approved Applications

Applications that use your Earthdata Login profile for authentication.

Earthdata Feedback Module	?
Earthdata Core Site	?
Earthdata Code Collaborative	?

APPROVE MORE APPLICATIONS

Application Administration

Manage and edit applications you have access to or created.

+ Peter's Test Application	ACTIVE	Home Edit User X
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CREATE A NEW APPLICATION

3. Fill in the details of your application. You will need to use the Application ID (UID), and the Password when your application participates in the authentication processes with the Earthdata Login. The [Redirect URL](#) is where the user will be redirected once the user has successfully authenticated with Earthdata Login. This will be the part of your application that handles the final part of the authentication process. When you have entered all the details, click on the 'REGISTER APPLICATION' button. That's it - your application has been registered.

uat.urs.earthdata.nasa.gov

Register a New Application

Application ID (UID): *

sdps_http_data

Password: *

Password Confirmation: *

Application Name: *

SDPS HTTP Public Data Server

Description (text on authorization screen):

SDPS HTTP Public Data Distribution Server

End User License Agreement (text on authorization screen):

Redirect URL: *

http://www.myserver.com/data-redirect

Redirect Time for Earthdata Login Splash page (in seconds):

☐ **Require user to log in every time they authorize your application (Only recommended for systems on shared computers or that require payment)**

REGISTER APPLICATION

Required field

Application ID must:

- Be a Minimum of 4 characters
- Be a Maximum of 30 characters
- Use letters, numbers, periods and underscores
- Not contain any blank spaces
- Not begin, end or contain two consecutive special characters(. _)

Password must be a minimum of 8 characters and contain:

- One Uppercase letter
- One Lowercase letter
- One Number

Feedback

- The next screen will show that your application was created successfully. You should make a note of the assigned Client ID value - this will also be needed during by your code the authorization process.

The screenshot shows a web browser window with the address bar displaying `uat.urs.earthdata.nasa.gov`. The page features a top navigation bar with the Earthdata logo and links for Data Discovery, DAACs, Community, and Science Disciplines. Below this is a blue header with the NASA logo, "EARTHDATA LOGIN", and links for My Profile, Admin Page, and Sign Out. A green message bar states "Your app has now been created." The main content area is titled "SDPS HTTP Public Data Server" and includes a sub-navigation bar with links: My Applications, Details (active), Edit, Image, App Admins, Redirect UrIs, Metrics, Users, Manage Password, Required Groups, and Restricted Api. The "Application Home" section displays the following details for the application "sdps_http_data":

- UID: **sdps_http_data**
- Name: SDPS HTTP Public Data Server
- Description: SDPS HTTP Public Data Distribution Server
- End User License Agreement:
- Admins: peterlsmith
- Client ID: U9SjNMDhc6d4GsyxPbOumQ
- Redirect URL's: <http://www.myserver.com/data-redirect>
- Status: Active
- Redirect Time on Earthdata Login Splash Page (in seconds): 0

A green button labeled "DISABLE APPLICATION" is located below the details. The footer contains contact information for Earthdata Support, links to Earthdata Login Home, Register, Documentation, and NASA, the NASA Official's name (Andy Mitchell), and a warning: "Warning: This U.S. Government resource is for authorized use only."

5. Check your email! You should receive an email indicates the successful registration of your application.



Application Registration Email

'Earthdata Login - Application Registration and Activation Status'

Hello, Peter Smith.

The following application has been activated in Earthdata Login:

Application UID: sdps_http_data

Application Name (Description): SDPS HTTP Public Data Server

As the person who registered this application, you are the admin of this application.

You are receiving this e-mail because you are the admin for this application.

If you have any questions, please contact support@earthdata.nasa.gov.

Thanks,

The EOSDIS Earthdata Login Team

☒ Start coding!

Related articles

- [How To Register An Application](#)
- [How To Use Tokens From Another Earthdata Login Application](#)
- [How to Set up ECHO type applications](#)